

Rec'd PCT/PTO 09 SEP 2004

1/5

10/507082 P24692WO

PCT REQUEST

Original (for SUBMISSION) - printed on 19.03.2003 08:22:22 AM

0	<b>For receiving Office use only</b>	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	<b>Form - PCT/RO/101 PCT Request</b>	
0-4-1	Prepared using	PCT-EASY Version 2.92 (updated 01.01.2003)
0-5	<b>Petition</b> The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	<b>Receiving Office (specified by the applicant)</b>	United States Patent and Trademark Office (USPTO) (RO/US)
0-7	<b>Applicant's or agent's file reference</b>	PU4692WO
I	<b>Title of invention</b>	METHODS OF USING FARNESOID X RECEPTOR (FXR) AGONISTS
II	<b>Applicant</b>	
II-1	This person is:	applicant only
II-2	Applicant for	all designated States except US
II-4	Name	SMITHKLINE BEECHAM CORPORATION
II-5	Address:	One Franklin Plaza Philadelphia, PA 19101 United States of America
II-6	State of nationality	US
II-7	State of residence	US
II-8	Telephone No.	919-483-2370
II-9	Facsimile No.	919-483-7988
III-1	<b>Applicant and/or inventor</b>	
III-1-1	This person is:	applicant only
III-1-2	Applicant for	all designated States except US
III-1-4	Name :	CURAGEN CORPORATION
III-1-5	Address:	555 Long Wharf Drive New Haven, CT 06511 United States of America
III-1-6	State of nationality	US
III-1-7	State of residence	US

## PCT REQUEST

PU4692WO

Original (for SUBMISSION) - printed on 19.03.2003 08:22:22 AM

III-2	<b>Applicant and/or inventor</b>	
III-2-1	This person is:	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	JONES, Stacey, Ann
III-2-5	Address:	GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, NC 27709 United States of America
III-2-6	State of nationality	US
III-2-7	State of residence	US
III-3	<b>Applicant and/or inventor</b>	
III-3-1	This person is:	applicant and inventor
III-3-2	Applicant for	US only
III-3-4	Name (LAST, First)	KLIEWER, Steven, Anthony
III-3-5	Address:	3453 Potomac Avenue Dallas, TX 75205 United States of America
III-3-6	State of nationality	US
III-3-7	State of residence	US
III-4	<b>Applicant and/or inventor</b>	
III-4-1	This person is:	applicant and inventor
III-4-2	Applicant for	US only
III-4-4	Name (LAST, First)	MANSFIELD, Traci, Ann
III-4-5	Address:	c/o CuraGen Corporation 555 Long Wharf Drive New Haven, CT 06511 United States of America
III-4-6	State of nationality	US
III-4-7	State of residence	US
IV-1	<b>Agent or common representative; or address for correspondence</b>	
	The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	LEVY, David, J
IV-1-2	Address:	GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, NC 27709 United States of America
IV-1-3	Telephone No.	919-483-2370
IV-1-4	Facsimile No.	919-483-7988
IV-2	<b>Additional agent(s)</b>	
		additional agent(s) with same address as first named agent
IV-2-1	Name(s)	BENNETT, Virginia, C

## PCT REQUEST

PU4692WO

Original (for SUBMISSION) - printed on 19.03.2003 08:22:22 AM

<b>V</b>	<b>Designation of States</b>	
<b>V-1</b>	Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	<p>AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT</p> <p>EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT</p> <p>EP: AT BE BG CH&amp;LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT</p> <p>OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT</p>
<b>V-2</b>	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	<p>AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH&amp;LI CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW</p>
<b>V-5</b>	<b>Precautionary Designation Statement</b>  In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.	
<b>V-6</b>	<b>Exclusion(s) from precautionary designations</b>	NONE
<b>VI-1</b>	<b>Priority claim of earlier national application</b>	
VI-1-1	Filing date	21 March 2002 (21.03.2002)
VI-1-2	Number	60/366,463
VI-1-3	Country	US

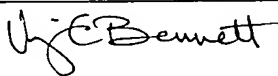
## PCT REQUEST

Original (for SUBMISSION) - printed on 19.03.2003 08:22:22 AM

<b>VI-2</b>	<b>Priority document request</b> The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	<b>VI-1</b>	
<b>VII-1</b>	<b>International Searching Authority Chosen</b>	<b>United States Patent and Trademark Office (USPTO) (ISA/US)</b>	
<b>VIII</b>	<b>Declarations</b>	<b>Number of declarations</b>	
<b>VIII-1</b>	Declaration as to the identity of the inventor	—	
<b>VIII-2</b>	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	—	
<b>VIII-3</b>	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	—	
<b>VIII-4</b>	Declaration of inventorship (only for the purposes of the designation of the United States of America)	—	
<b>VIII-5</b>	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	—	
<b>IX</b>	<b>Check list</b>	<b>number of sheets</b>	<b>electronic file(s) attached</b>
<b>IX-1</b>	Request (including declaration sheets)	<b>5</b>	—
<b>IX-2</b>	Description (excluding sequence listing part)	<b>18</b>	—
<b>IX-3</b>	Claims	<b>2</b>	—
<b>IX-4</b>	Abstract	<b>1</b>	<b>EZABST00.TXT</b>
<b>IX-5</b>	Drawings	<b>0</b>	—
<b>IX-7a</b>	Sub-total number of sheets	<b>26</b>	
<b>IX-6</b>	Sequence listing part of description	<b>4</b>	—
<b>IX-7</b>	<b>TOTAL</b>	<b>30</b>	

## PCT REQUEST

Original (for SUBMISSION) - printed on 19.03.2003 08:22:22 AM

	Accompanying items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-11	Copy of general power of attorney	reference no. SB Corp	-
IX-12	Statement explaining lack of signature	✓	-
IX-16	Sequence listing in computer readable form:		
IX-16 (-i)	copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application)	-	1 Diskette
IX-17	PCT-EASY diskette	-	Diskette
IX-18	Other (specified):	Copy of POA authorizing signature of D. Levy for SB Corp	-
IX-18	Other (specified):	Statement regarding Sequence Listing disk and paper	-
IX-19	Figure of the drawings which should accompany the abstract		
IX-20	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)	BENNETT, Virginia, C	

## FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/US
10-6	Transmittal of search copy delayed until search fee is paid	

## FOR INTERNATIONAL BUREAU USE ONLY

11-1	Date of receipt of the record copy by the International Bureau	
------	----------------------------------------------------------------	--

**PCT (ANNEX - FEE CALCULATION SHEET)**Original (for **SUBMISSION**) - printed on 19.03.2003 08:22:22 AM

(This sheet is not part of and does not count as a sheet of the international application)

<b>0</b>	<b>For receiving Office use only</b>	
<b>0-1</b>	International Application No.	
<b>0-2</b>	Date stamp of the receiving Office	
<b>0-4</b>	<b>Form - PCT/RO/101 (Annex)</b>	
<b>0-4-1</b>	PCT Fee Calculation Sheet Prepared using	<b>PCT-EASY Version 2.92 (updated 01.01.2003)</b>
<b>0-9</b>	Applicant's or agent's file reference	<b>PU4692WO</b>
<b>2</b>	Applicant	<b>SMITHKLINE BEECHAM CORPORATION, et al.</b>
<b>12</b>	Calculation of prescribed fees	fee amount/multiplier      Total amounts (USD)
<b>12-1</b>	Transmittal fee <b>T</b>	$\Rightarrow$ <b>240</b>
<b>12-2-1</b>	Search fee <b>S</b>	$\Rightarrow$ <b>700</b>
<b>12-2-2</b>	International search to be carried out by	<b>US</b>
<b>12-3</b>	International fee	
	Basic fee (first 30 sheets) <b>b1</b>	<b>407</b>
<b>12-4</b>	Remaining sheets	<b>0</b>
<b>12-5</b>	Additional amount <b>(X)</b>	<b>9</b>
<b>12-6</b>	Total additional amount <b>b2</b>	<b>0</b>
<b>12-7</b>	<b>b1 + b2 = B</b>	<b>407</b>
<b>12-8</b>	Designation fees	
	Number of designations contained in international application	<b>95</b>
<b>12-9</b>	Number of designation fees payable (maximum 5)	<b>5</b>
<b>12-10</b>	Amount of designation fee <b>(X)</b>	<b>88</b>
<b>12-11</b>	Total designation fees <b>D</b>	<b>440</b>
<b>12-12</b>	PCT-EASY fee reduction <b>R</b>	<b>-125</b>
<b>12-13</b>	Total International fee <b>(B+D-R) I</b>	$\Rightarrow$ <b>722</b>
<b>12-14</b>	Fee for priority document	
	Number of priority documents requested	<b>1</b>
<b>12-15</b>	Fee per document <b>(X)</b>	<b>20</b>
<b>12-16</b>	Total priority document fee <b>P</b>	$\Rightarrow$ <b>20</b>
<b>12-17</b>	<b>TOTAL FEES PAYABLE (T+S+I+P)</b>	$\Rightarrow$ <b>1,682</b>
<b>12-19</b>	Mode of payment	<b>authorization to charge deposit account</b>
<b>12-20</b>	Deposit account instructions	
	The receiving Office:	<b>United States Patent and Trademark Office (USPTO) (RO/US)</b>
<b>12-20-1</b>	Authorization to charge the total fees indicated above.	<input checked="" type="checkbox"/>
<b>12-20-2</b>	Authorization to charge any deficiency or credit any overpayment in the total fees indicated above.	<input checked="" type="checkbox"/>

## PCT (ANNEX - FEE CALCULATION SHEET)

PU4692WO

Original (for SUBMISSION) - printed on 19.03.2003 08:22:22 AM

12-20-3	Authorization to charge the fee for priority document.	✓
12-21	Deposit account No.	07-1392
12-22	Date	19 March 2003 (19.03.2003)
12-23	Name and signature	BENNETT, Virginia, C <i>V. E. Bennett</i>

## VALIDATION LOG AND REMARKS

13-2-7	Validation messages Contents	Green? The international application contains no drawings. Please verify.
13-2-9	Validation messages Payment	Green? Please ensure that you have a valid deposit account with the receiving Office selected.